

# FANselect

## general description

1/7/2020

version FANselect V 1.01 (180515), AMCA V 1.02 April, 2018 / 1.18.05.15 | 32552 | (user ZAFS22552)

1



FN050-VDK.4I.V7P1 | 141407 | Portfolio STD-WW | FE2owlet AC ERM

### Range FN

# FANselect

fan data

1/7/2020

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type	FN050-VDK.4I.V7P1
article no.	141407   Portfolio STD-WW

technical data

motor	AC ERM	
mains supply	-	3~ 400V 50Hz D
nominal current (I <sub>N</sub> )	A	1.70
ambient temperature, max. limit (t <sub>r</sub> )	°C	70
efficiency grade η <sub>statA</sub>	%	33,4
efficiency grade N <sub>actual</sub>   N <sub>target</sub>	%	40,7   40
ErP-conformity	2015	
grille   influence	pressure side   measured	

fan data

frequency (f <sub>BP</sub> )   (f <sub>max</sub> )	Hz	50   60
product weight (m <sub>pr</sub> )	kg	13.3

PF:PF\_00; Ano:141407; STol:+-10 %

# FANselect

performance curve / acoustics

1/7/2020

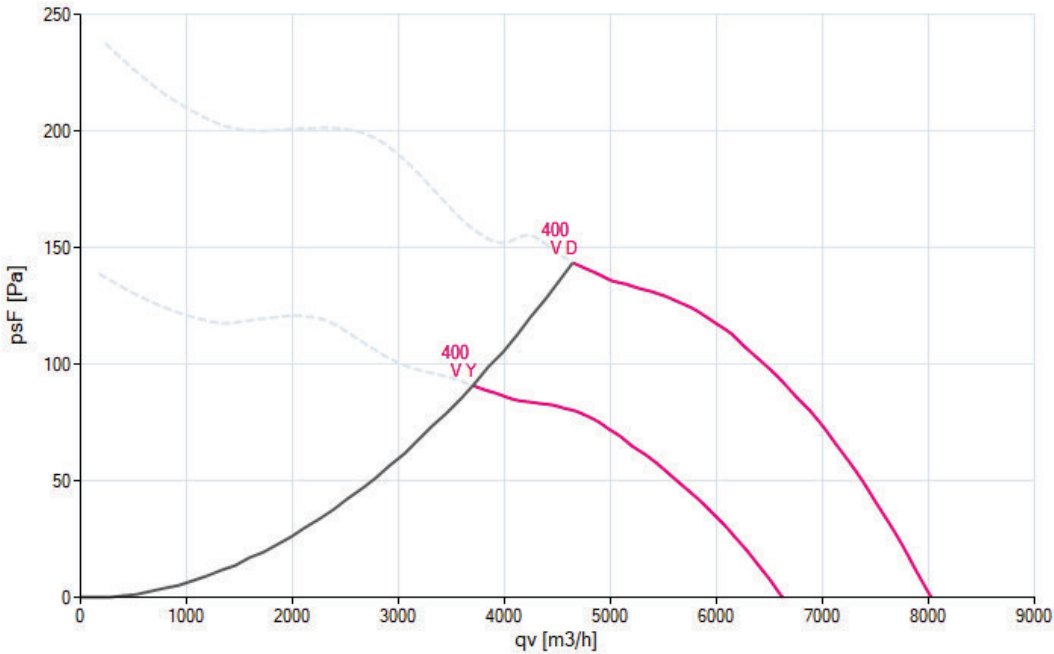
version FANselect V 1.01 (180515), AMCA V 1.02 April, 2018 / 1.18.05.15 | 32552 | (user ZAFS22552)

1

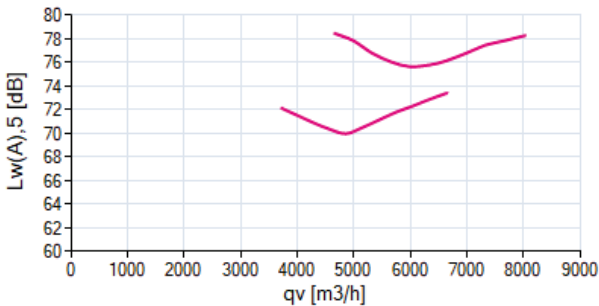
FN050-VDK.4I.V7P1

Measured in short nozzle with guard grille on pressure side with airflow direction V in installation type A according to ISO 5801  
141407 | Portfolio STD-WW measurement density 1.16 [kg/m³]

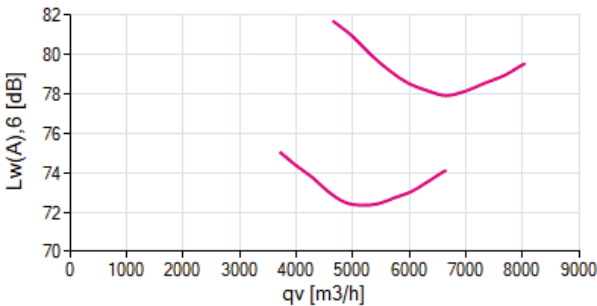
air performance  $p_{sF}$



acoustics ( $L_{w(A),5}$ )



acoustics ( $L_{w(A),6}$ )



1 FN050-VDK.4I.V7P1

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),5}$	-	-	-	-	-	-	-	-	-
$L_{w,5}$	-	-	-	-	-	-	-	-	-

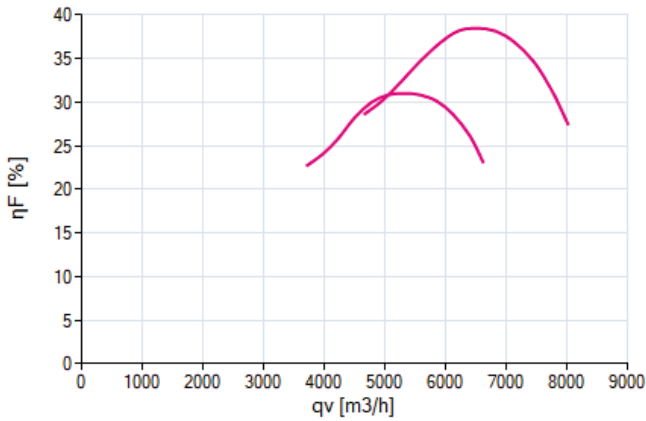
f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),6}$	-	-	-	-	-	-	-	-	-
$L_{w,6}$	-	-	-	-	-	-	-	-	-

# FANselect

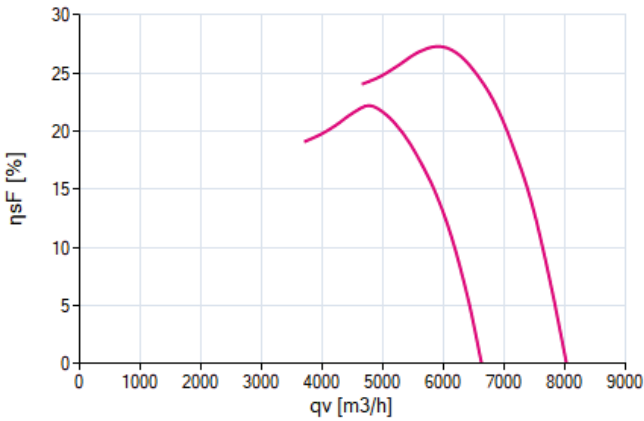
efficiency grade / power input	1/7/2020
version FANselect V 1.01 (180515), AMCA V 1.02 April, 2018 / 1.18.05.15   32552   (user ZAFS22552)	

1	FN050-VDK.4I.V7P1	Measured in short nozzle with guard grille on pressure side with airflow direction V in installation type A according to ISO 5801
	141407   Portfolio STD-WW	measurement density 1.16 [kg/m³]

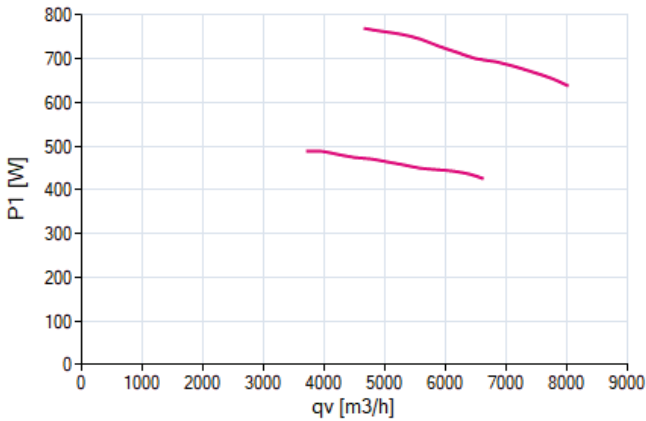
efficiency grade  $\eta_F$



efficiency grade  $\eta_{sF}$



power input  $P_1$



# FANselect

## nominal values

1/7/2020

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1



FN050-VDK.4I.V7P1  
141407

3~ 400V +10/-10 D/Y 50Hz P1 0.77/0.49kW P2 0.52/0.26kW  
1.70/0.84A DI=0% 1300/1025/MIN COSY 0.64 70°C  
3~ 400V +10/-10 D/Y 60Hz P1 1.10/0.60kW P2 0.64/0.22kW  
1.90/1.00A DI=0% 1400/980/MIN COSY 0.81 70°C  
3~ 460V +10/-10 D/Y 60Hz P1 1.20/0.70kW P2 0.76/0.32kW  
2.00/1.05A DI=0% 1480/1100/MIN COSY 0.76 70°C  
IP54 THCL155

## drawing

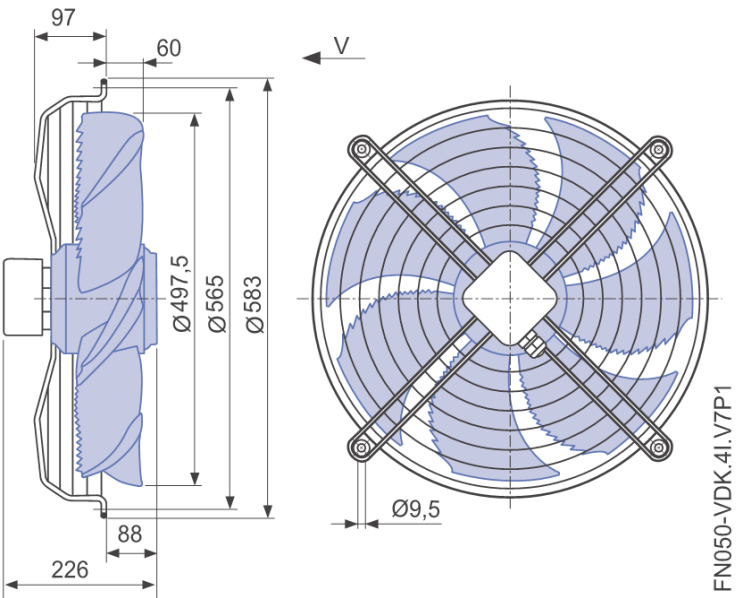
1/7/2020

version FANselect V 1.01 (180515), AMCA V 1.02 April, 2018 / 1.18.05.15 | 32552 | (user ZAFS22552)

1



FN050-VDK.4I.V7P1  
141407

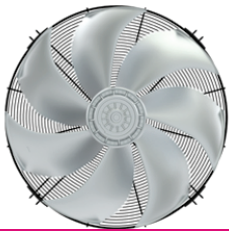


## wiring diagram

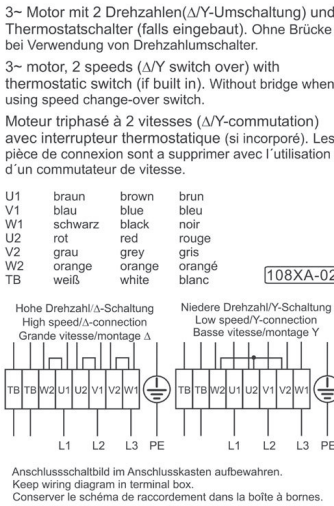
1/7/2020

version FANselect V 1.01 (180515), AMCA V 1.02 April, 2018 / 1.18.05.15 | 32552 | (user ZAFS22552)

1



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system components

1/7/2020

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type	FN050-VDK.4I.V7P1
article no.	141407

mechanical component	guide vane
	type: Ø 500
	article no.: 00286705
	guide vane
	type: Ø 500
	article no.: 00291529